IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee: Dennis Joseph Denen, et al. **Docket No.:** 4747-124C1/10105230

Patent No.: 6,838,887

Issue Date: January 4, 2005

Title: Proximity Detection Circuit and Method of Detecting Small Capacitance Changes

Commissioner for Patents
Post Office Box 1450
Alexandria, VA 22313-1450

Attention: Certificate of Correction Certificate

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323

Dear Sir:

Attached is Form PTO/SB/44, which lists errors in the Patent due to Applicants' mistakes (37 C.F.R. § 1.323).

Pursuant to 37 C.F.R. § 1.323, Patentee hereby requests that the errors listed below be corrected. The exact page/column and line reference in the patent where the corrections should be made are as follows:

"IN THE DRAWINGS:"

Sheet 15 (Fig 10A)

Times should be in micro seconds (mu not u)

Capacitor 208 should be 100 pico Farad (pF not pK)

Sheet 16 (Fig 10B)

Capacitor 260 should be 0.1 micro Farad (mu not u)

Reference 254 should be deleted from op amp 242

Sheet 17 (Fig 10C)

The text above resistor 270 should read -- R1 AND C1 HAVE A CORNER FREQUENCY OF 20Hz -- (20Hz not 200Hz)

Unconnected terminals X, 4 and 8 of XU1B should be deleted

Capacitor 272 should be 0.1 micro Farad (mu not u)

Sheet 18 (Fig 10D)

Unconnected terminals X, 4 and 8 of XU2B should be deleted

Capacitor 284 should be 1.0 micro Farad (mu not u)

Capacitor 286 should be 0.01 micro Farad (mu not u)

Under the heading **"DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS"**:

In Column 7, lines 29-37, amend as follows:

FIG. 4B is a side view of the locking bar showing the placement of the compression springs. The compression springs 70, 72 also tend to resist the release of the locking bar 36, insuring that a required force is needed to unlock the locking bar 36. The required force is typically between 0.5 lbf and 3.0 lbf, or more. In this embodiment, the force is 2.0 lbf when the spring is in a fully compressed position, and 1.1 lbf when the spring is in the rest position. In the rest position, the forces of the opposing springs offset each other.

In Column 13, line 52, after the word "exponential", add the word --waveform --.

In Column 13, line 57, add a parenthesis after the words "32 μs" to read as follows : -- 32 μs), --

In Column 16, line 11, after the number "[499+483]}" please remove the curly bracket } and replace with the following round bracket to read:
-- [499+483]) --

In Column 16, line 12, after the number "[499+499]}." please remove the curly bracket } and replace with the following round bracket to read:
-- [499+499]). --

REMARKS

The requested corrections address obvious errors and other questions of form, not substance, and do not raise any questions regarding new matter. In particular the change in the legend on Fig 10C from 200Hz to 20Hz is supported by the following language on page 22 of the originally filed specification.

[0104] The combination of the resistor XR1 270 (e.g., 499 kΩ) and the capacitor XC1 272 (e.g., 0.1 μF) comprise a low pass filter with a corner frequency of 1/XR1•XC1 (e.g., **20 Hz**), which corresponds to a time constant of XR1•XC1 (e.g., 50 ms). This filter is for rejection of large 50 Hz or 60 Hz noise. These "high" frequencies are effectively shorted to ground. It is particularly helpful when the towel dispenser proximity detector is powered from an AC-coupled supply. The ubiquitousness of the AC power frequency, however, makes this protection desirable, regardless. [emphasis added].

The Director is authorized to charge the fee of $100.00 and any additional fee(s) or any underpayment of fee(s), or to credit any overpayments to Deposit Account **50-0337**. Please ensure that Attorney Docket No. 4747-124C1N1/10401349 is referred to when charging any payments or credits for this case.

Respectfully submitted,

Dated: October 24, 2006

By /John May #26200/
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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,838,887 B2

APPLICATION NO.: 09/966,275

ISSUE DATE : January 4, 2005

INVENTOR(S) : Dennis Joseph Denen, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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(Also Form PTO-1050)

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